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| APPLICATION NO.   | FILING DATE        | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|--------------------|----------------------|---------------------|------------------|
| 10/519,042  | 07/13/2005         | Sushil Kumil Sharma  | ON/4-32563A         | 7042             |
| 1095  | 7590 08/16/2006    |                      | EXAMINER            |                  |
| NOVARTIS<br>CORPORATE INTELLECTUAL PROPERTY<br>ONE HEALTH PLAZA 104/3 |                    |                      | HEARD, THOM         | AS SWEENEY       |
|   |                    |                      | ART UNIT            | PAPER NUMBER     |
| EAST HANO   | VER, NJ 07936-1080 |                      | 1654                |                  |

DATE MAILED: 08/16/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

|  |   | Application No.   | Applicant(s)                      |  |  |  |  |
|--|---|---|-----------------------------------|--|--|--|--|
| Office Action Summary  |   | 10/519,042  | SHARMA ET AL.                     |  |  |  |  |
|  |   | Examiner  | Art Unit                          |  |  |  |  |
|  |   | Thomas S. Heard   | 1654                              |  |  |  |  |
| Period fo  | The MAILING DATE of this communication app<br>or Reply  | ears on the cover sheet with the c                      | orrespondence address             |  |  |  |  |
| A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). |   |   |                                   |  |  |  |  |
| Status   |   |   |                                   |  |  |  |  |
| 1)⊠  | Responsive to communication(s) filed on 31 Ju   | ly 2006.  |                                   |  |  |  |  |
|  | This action is FINAL. 2b)⊠ This action is non-final.  |   |                                   |  |  |  |  |
| 3)   | Since this application is in condition for allowance except for formal matters, prosecution as to the merits is   |   |                                   |  |  |  |  |
|  | closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.   |   |                                   |  |  |  |  |
| Disposition of Claims  |   |   |                                   |  |  |  |  |
| 4) 🖂   | 4)⊠ Claim(s) <u>15-28</u> is/are pending in the application.  |   |                                   |  |  |  |  |
|  | 4a) Of the above claim(s) <u>25-28</u> is/are withdrawn from consideration.   |   |                                   |  |  |  |  |
| •  | 5) Claim(s) is/are allowed.   |   |                                   |  |  |  |  |
|  | Claim(s) <u>15-24</u> is/are rejected.  |   |                                   |  |  |  |  |
| -  | Claim(s) is/are objected to.  |   |                                   |  |  |  |  |
| 8)⊠  | Claim(s) <u>15-28</u> are subject to restriction and/or   | election requirement.                                   |                                   |  |  |  |  |
| Applicati  | on Papers   |   |                                   |  |  |  |  |
| 9) 🗌   | The specification is objected to by the Examine   | ·.  |                                   |  |  |  |  |
| 10)  | The drawing(s) filed on is/are: a)☐ acce  | epted or b) $\square$ objected to by the E              | Examiner.                         |  |  |  |  |
|  | Applicant may not request that any objection to the o   | • • •   | , ,                               |  |  |  |  |
| Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).   |   |   |                                   |  |  |  |  |
| 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.   |   |   |                                   |  |  |  |  |
| Priority under 35 U.S.C. § 119   |   |   |                                   |  |  |  |  |
| 12)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a)  All b) Some * c) None of:   |   |   |                                   |  |  |  |  |
|  | 1. Certified copies of the priority documents have been received.   |   |                                   |  |  |  |  |
|  | 2. Certified copies of the priority documents have been received in Application No  |   |                                   |  |  |  |  |
|  | 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). |   |                                   |  |  |  |  |
| * See the attached detailed Office action for a list of the certified copies not received.   |   |   |                                   |  |  |  |  |
| des the attached detailed embe detail for a liet of the certained copies not received.   |   |   |                                   |  |  |  |  |
| Attachment(s)  |   |   |                                   |  |  |  |  |
|  | e of References Cited (PTO-892)   | 4) Interview Summary                                    |                                   |  |  |  |  |
| 3) Inform  | e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date  | Paper No(s)/Mail Da 5)  Notice of Informal Pa 6) Other: | te<br>atent Application (PTO-152) |  |  |  |  |

### **DETAILED ACTION**

#### Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- Claims 15-24 are drawn to compounds of Formula I and II, Formula II being stereoisomer of Formula I, classified in class 530, subclass 331.
- II. Claims 25-28 are drawn to a method of treating a proliferative disease, classified in class 530, subclass 331.

The inventions are distinct, each from the other for the following reasons:

Inventions I and II are related as product and process of use. The inventions can be shown to be distinct if either or both of the following can be shown: (1) the process for using the product as claimed can be practiced with another materially different product or (2) the product as claimed can be used in a materially different process of using that product (MPEP § 806.05(h)). In the instant case a proliferative disease, psoriasis, can be treated with Methotrexate and does not require the instantly claimed compound.

The inventions above are patentably distinct. The search for each of the above inventions is not co-extensive particularly with regard to the literature search. Burden consists not only of specific searching of classes and subclasses, but also of searching multiple databases for foreign references and literature searches. Burden also resides in the examination of independent claim sets for clarity, enablement, and double

patenting issues. Further, a reference that would anticipate the invention of one group would not necessarily anticipate or even make obvious another group. Finally, the consideration for patentability is different in each case. Thus, it would be an undue burden to examine all of the above inventions in one application and the restriction for examination purposes as indicated above is deemed proper.

Regardless of which group is elected, a further election of species is required.

This application contains claims directed to the following patentably distinct species of the claimed invention: Peptide inhibitors of smac protein binding to inhibitor of apoptosis proteins (IAP).

No matter which group is chosen, Applicant is required under 35 U.S.C. 121 to elect a **single disclosed species with all variables defined** for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, claim 15 is generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims

are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

The examiner has required restriction between product and process claims.

Where applicant elects claims directed to the product, and a product claim is subsequently found allowable, withdrawn process claims that depend from or otherwise include all the limitations of the allowable product claim will be rejoined in accordance with the provisions of MPEP § 821.04. Process claims that depend from or otherwise include all the limitations of the patentable product will be entered as a matter of right if the amendment is presented prior to final rejection or allowance, whichever is earlier. Amendments submitted after final rejection are governed by 37 CFR 1.116; amendments submitted after allowance are governed by 37 CFR 1.312.

In the event of rejoinder, the requirement for restriction between the product claims and the rejoined process claims will be withdrawn, and the rejoined process claims will be fully examined for patentability in accordance with 37 CFR 1.104. Thus, to be allowable, the rejoined claims must meet all criteria for patentability including the requirements of 35 U.S.C. 101, 102, 103, and 112. Until an elected product claim is

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found allowable, an otherwise proper restriction requirement between product claims and process claims may be maintained. Withdrawn process claims that are not commensurate in scope with an allowed product claim will not be rejoined. See "Guidance on Treatment of Product and Process Claims in light of In re Ochiai, In re Brouwer and 35 U.S.C. § 103(b)," 1184 O.G. 86 (March 26, 1996). Additionally, in order to retain the right to rejoinder in accordance with the above policy, Applicant is advised that the process claims should be amended during prosecution either to maintain dependency on the product claims or to otherwise include the limitations of the product claims. Failure to do so may result in a loss of the right to rejoinder. Further, note that the prohibition against double patenting rejections of 35 U.S.C. 121 does not apply where the restriction requirement is withdrawn by the examiner before the patent issues. See MPEP § 804.01.

### **Telephone Election**

In a telephone conversation with Lydia T. McNally (Reg. No. 36,214) on July 31, 2006 a provisional election was made of Group I with further election of the same species elected in co-pending application 11/203, corresponding to Compound 1 in Example 1 in the specification:

R<sub>1</sub>, R<sub>6</sub> and R<sub>7</sub> are each H;

R<sub>2</sub> and R<sub>3</sub> are each methyl;

 $R_4$  is  $-CH(CH_3)_2$ ;

X is N;

R<sub>5</sub> is -CH<sub>2</sub>CH<sub>2</sub>-Phenyl;

 $R_8$  is  $-NR_{12}R_{13}$  where  $R_{12}$  is H and  $R_{13}$  is C(O)- $CH_2$ -cyclohexyl.

The Applicant's elected species appears free of the prior art pending a final search before prior to any potential notice of allowance. The examiner has moved onto the next species on which art was found and a 102(e) rejection made.

# Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 15-24 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In Claim 15, a residue of an amino acid is not understood. The specification has provided definitions for amino acid residue but it is not clear what a residue of an amino acid would be as claimed.

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 15-24 are rejected under 35 U.S.C. 112, first paragraph, because the specification, while being enabling for binding of the example compounds (examples 1-29 disclosed in the specification on pages 17-22) to the BIR3 peptide binding pocket in the FRET assay described on page 21 of the specification, does not reasonably provide

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enablement for treating a proliferative disease in a mammal or human. The specification does not enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to use the invention commensurate in scope with these claims.

The factors to be considered in determining whether a disclosure meets the enablement requirements of 35 U.S.C. 112, first paragraph, have been described in In re Wands, 858 F.2d 731, 8 USPQ2d 1400 (Fed. Cir., 1988). The court in Wands states, "Enablement is not precluded by the necessity for some experimentation, such as routine screening. However, experimentation needed to practice the invention must not be undue experimentation. The key word is 'undue', not 'experimentation'" (Wands, 8 USPQ2sd 1404). Clearly, enablement of a claimed invention cannot be predicated on the basis of quantity of experimentation required to make or use the invention. "Whether undue experimentation is needed is not a single, simple factual determination, but rather is a conclusion reached by weighing many factual considerations" (Wands, 8 USPQ2d 1404). Among these factors are: (1) the nature of the invention; (2) the breadth of the claims; (3) the state of the prior art; (4) the relative skill of those in the art; (5) the predictability or unpredictability of the art; (6) the amount of direction or guidance presented; (7) the presence or absence of working examples; and (8) the quantity of experimentation necessary.

While all of these factors are considered, a sufficient amount for a *prima facie* case is discussed below.

# (1) The nature of the invention and (2) the breadth of the claims:

The claims are drawn to plurality of compounds thought to have anti-proliferative properties. Thus, the claims taken together with the specification imply treatment of a plurality of diseases encompassed under the term proliferative diseases, see abstract of Sporn MB, Harris ED Jr., "Proliferative Diseases, "Am J Med. 1981 Jun;70(6):1231-5 for examples of unrelated diseases that are covered under the term "proliferative."

# (3) The state of the prior art:

Terui Y., et al, "NH2-terminal pentapeptide of endothelial interleukin 8 is responsible for the induction of apoptosis in leukemic cells and has an antitumor effect in vivo," Cancer Res. 1999 Nov 15;59(22):5651-5 discloses compounds of the instantly claimed invention that do not have apoptotic activity nor anticancer activity, such as AVP and VLP, see Figure 1C and "Deletion Analysis of the Active Site of NH2-Terminal Pentapeptide AVLPR" section on page 5653. These compounds are readable upon Formula (I) where R<sub>1</sub>, R<sub>2</sub>, R<sub>5</sub>-R<sub>8</sub> are H and R<sub>3</sub> is methyl or isopropyl and R<sub>4</sub> is isopropyl (4) The relative skill of those in the art:

The relative skill of those in the art is high.

(5) The predictability or unpredictability of the art; (6) The amount of direction or guidance presented; (7) The presence or absence of working example; and (8) The quantity of experimentation necessary.

Since the core function group of the instantly claimed invention remains largely unsolved, means for correlating structure-function with a specific proliferative disease is highly unpredictable. The specification has provided a few examples that where shown to bind BIR3 via a FRET assay and those examples varied in  $IC_{50}$  over 6 orders of

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magnitude. However, the specification does not provide information on how these examples and their variance in IC<sub>50</sub> correlate to inhibition and treatment of proliferative diseases instantly claimed. Considering the state of the art as discussed by the Wands Factors supra and the high unpredictability and the lack of guidance provided in the specification, one of ordinary skill in the art would be burdened with undue experimentation to determine a core structure with a proliferative disease and do so with a FRET binding assay. It is the examiner's position that one skilled in the art could not practice the invention commensurate in the scope of the claims without undue experimentation of trial and error synthesis and testing.

Claims 15-24 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter that was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

The MPEP states that the purpose of the written description requirement is to ensure that the inventor had possession, as of the filing date of the application, of the specific subject matter later claimed by him. The courts have stated:

"To fulfill the written description requirement, a patent specification must describe an invention and do so in sufficient detail that one skilled in the art can clearly conclude that "the inventor invented the claimed invention." Lockwood v. American Airlines, Inc., 107 F.3d 1565, 1572, 41 USPQ2d 1961, 1966 (Fed. Cir. 1997); In re Gostelli, 872 F.2d 1008, 1012, 10 USPQ2d 1614, 1618 (Fed. Cir. 1989) ("[T]he description must clearly allow persons of ordinary skill in the art to recognize that [the inventor] invented what is claimed."). Thus, an applicant complies with the written description requirement "by describing the invention, with all its claimed limitations, no that which makes it obvious,"

and by using "such descriptive means as words, structures, figures, diagrams, formulas, etc., that set forth the claimed invention." Lockwood, 107 F.3d at 1572, 41 USPQ2d at 1966." Regents of the University of California v. Eli Lilly & Co., 43 USPQ2d 1398.

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The MPEP lists factors that can be used to determine if sufficient evidence of possession has been furnished in the disclosure of the Application. These include "level of skill and knowledge in the art, partial structure, physical and/or chemical properties, functional characteristics alone or coupled with a known or disclosed correlation between structure and function, and the method of making the claimed invention. Disclosure of any combination of such identifying characteristics that distinguish the claimed invention from other materials and would lead one of skill in the art to the conclusion that the applicant was in possession of the claimed species is sufficient." MPEP § 2163.

Further, for a broad generic claim, the specification must provide adequate written description to identify the genus of the claim. In Regents of the University of California v. Eli Lilly & Co. the court stated:

"A written description of an invention involving a chemical genus, like a description of a chemical species, 'requires a precise definition, such as by structure, formula, [or] chemical name,' of the claimed subject matter sufficient to distinguish it from other materials." Fiers, 984 F.2d at 1171, 25 USPQ2d at 1606; In re Smythe, 480 F.2d 1376, 1383, 178 USPQ 279, 284985 (CCPA 1973) ("In other cases, particularly but not necessarily, chemical cases, where there is unpredictability in performance of certain species or subcombinations other than those specifically enumerated, one skilled in the art may be found not to have been placed in possession of a genus ...") Regents of the University of California v. Eli Lilly & Co., 43 USPQ2d 1398.

The MPEP further states that if a biomolecule is described only by a functional characteristic, without any disclosed correlation between function and structure of the sequence, it is "not sufficient characteristic for written description purposes, even when accompanied by a method of obtaining the claimed sequence." MPEP 2163. The MPEP does state that for a generic claim the genus can be adequately described if the disclosure presents a sufficient number of representative species that encompass the genus. MPEP 2163. If the genus has a substantial variance, the disclosure must describe a sufficient variety of species to reflect the variation within that genus. See MPEP 2163. Although the MPEP does not define what constitute a sufficient number of representative species, the courts have indicated what do not constitute a representative number of species to adequately describe a broad generic. In Gostelli, the courts determined that the disclosure of two chemical compounds within a subgenus did not describe that subgenus. In re Gostelli, 872, F.2d at 1012, 10 USPQ2d at 1618.

The factors considered in the Written Description requirement are (1) level of skill and knowledge in the art, (2) partial structure, (3) physical and/or chemical properties, (4) functional characteristics alone or coupled with a known or disclosed correlation between structure and function, and the (5) method of making the claimed invention.

In the instant case, the claims are drawn to complement activation peptides.

(1) Level of skill and knowledge in the art:

The level of skill to practice the art of the instantly claimed invention is high with regard to chemical synthesis and assay design.

(2) Partial structure:

Modified tri- and tetra-peptides

(3) Physical and/or chemical properties:

Peptide inhibitors of SMAC.

(4) Functional characteristics:

Antagonist of SMAC binding protein that induce apoptosis.

(5) Method of making the claimed invention:

Standard amino acid chemical synthesis with natural and modified amino acids.

As stated supra, the MPEP states that written description for a genus can be achieved by a representative number of species within a broad generic. It is unquestionable that claim 1 is a broad generic, with respect to all possible compounds encompassed by the claims. The possible structural variations are limitless to any class

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of peptide extensively modified. It must not be forgotten that the MPEP states that if a biomolecule is described only by a functional characteristic, without any disclosed correlation between function and structure of the sequence, it is "not sufficient characteristic for written description purposes, even when accompanied by a method of obtaining the claimed sequence. "MPEP § 2163. Here, though the claims may recite some functional characteristics, the claims lack written description because there is no disclosure of a correlation between function and structure of the compounds beyond compounds disclosed in the examples in the specification. There are a few example peptides and those examples do not demonstrate modifications that facilitate transport of the compounds across the membranes of calls. While having written description for Formula I and II identified in the specification tables and/or examples, the specification is void of any peptides, organic molecules that qualify for the functional characteristics claimed as the biomolecules, and polymers with functional characteristics that qualify as compounds capable of being transported across membranes. There is insufficient description of chemical modifications for membranes transport that would allow one of skill in the art to practice the invention as claimed. The description requirement of the patent statue requires a description of an invention, not an indication of a result that one might achieve if one made that invention. See In re Wilder, 736, F.2d 1516, 1521, 222 USPQ 369, 372-73 (Fed. Cir. 1984) (affirming rejection because the specification does "little more than outlin[e] goals appellants hope the claimed invention achieves and the problems the invention will hopefully ameliorate.")

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Further, 37 CFR 1.57(c) states that "Essential material" may be incorporated by reference, but only by way of an incorporation by reference to a U.S. patent or U.S. patent application publication, which patent or patent application publication does not itself incorporate such essential material by reference. "Essential material" is material that is necessary to:

- (1) Provide a written description of the claimed invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same, and set forth the best mode contemplated by the inventor of carrying out the invention as required by the first paragraph of 35 U.S.C. 112;
- (2) Describe the claimed invention in terms that particularly point out and distinctly claim the invention as required by the second paragraph of 35 U.S.C. 112; or
- (3) Describe the structure, material, or acts that correspond to a claimed means or step for performing a specified function as required by the sixth paragraph of 35 U.S.C. 112.

Accordingly, it is deemed that the specification fails to provide adequate written description for the genus of the claims and does not reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the entire scope of the claimed invention.

# Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 15-24 are rejected under 35 U.S.C. 102(e) as being anticipated by US Patent Publication No: US 2005/0101538, referred to as '538 and Creighton, "Proteins: Structure and Molecular Properties," for definition of stereochemistry of Proline related to Formula II.

'538 discloses pharmaceutical compounds instantly claimed, such as GFP-NH<sub>2</sub>, Table 1, and claims for Formula I of '538. The pharmaceutical composition of GFP-NH<sub>2</sub> is readable upon claims 15-22 and Formula (I) where R<sub>1</sub>, R<sub>2</sub>, R<sub>6</sub>, R<sub>7</sub> and R<sub>8</sub> are H, and R<sub>3</sub> is H, R<sub>4</sub> is CH<sub>2</sub>-Phenyl (Penylalanine), and R<sub>5</sub> is H. Further, the stereochemistry of Formula II appears to be that of what proline naturally is and is not differ from what is disclosed in '538. Therefore the instantly claimed invention is anticipated by '538.

# **Double Patenting**

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims

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are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., In re Berg, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); In re Goodman, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); In re Longi, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); In re Van Ornum, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); In re Vogel, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and In re Thorington, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 15-24 are provisionally rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claim 1-10 of copending Application No. 11/203,370. Although the conflicting claims are not identical, they are not patentably distinct from each other because the compounds of the instantly claimed application are also claimed in '370, as evidenced by the election of the same composition in both applications.

This is a provisional obviousness-type double patenting rejection because the conflicting claims have not in fact been patented..

### Conclusion

No claims are allowed

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thomas S. Heard whose telephone number is (571) 272-2064. The examiner can normally be reached on 9:00 a.m. to 6:30 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cecilia Tsang can be reached on (571) 272-0562. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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3B21
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Supervisory Patent Examiner Technology Center 1600